

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

ATTY DOCKET NO.
70025-991

SERIAL NO.
09/483,837

APPLICANT(S)
Shubh D. Sharma

FILING DATE
January 17, 2000

GROUP
Unknown 1635

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
John	4,390,528	06/28/83	NAJJAR	424	177	
	4,427,646	01/24/84	OLEXA et al.	424	1.1	
	4,479,930	10/30/84	HNATOWICH	424	1.1	
	4,578,079	03/25/86	RUOSLAHTI et al.	623	11	
	4,650,787	03/17/87	SCHALLY et al.	514	11	
	4,668,503	05/26/87	HNATOWICH	424	1.1	
	4,680,276	07/14/87	BACH et al.	436	542	
	4,732,864	03/22/88	TOLMAN	436	547	DEC 3 - 2000
	4,849,505	07/18/89	STAVRIANOPOULOS	530	300	
	4,859,765	08/22/89	NESTOR, JR. et al.	530	333	
✓	4,863,898	09/05/89	ASHMEAD et al.	514	6	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
John	2,016,235	11 Sep 90	Canada	—	—		
	94810008.6	10 Jan 94	EPO	—	—		
	PCT/US93/05372	04 Jun 93	PCT World	—	—		
	PCT/US93/04794	21 May 93	PCT	—	—		
✓	PCT/US93/03687	19 Apr 93	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

John	"Conformational Restrictions of Biologically Active Peptides Via Amino Acid Side Chain Groups" by V. J. Hruby. Life Sciences, Vol. 31, pp. 189-199.
	"Complexes of Technetium-99m with Tetrapeptides, a New Class of Tc-labelled Agents" by H.P. Vanbilloen et al. Nuc. Med. Bio., 22: 325-337.
	"Secondary Structure Nucleation in Peptides. Transition Metal Ion Stabilized α -Helices" by M.R. Ghadiri et al. J. Am. Chem. Soc. 1990, Vol. 112, No. 4, pp. 1630-1632
	"Peptide Architecture. Design of Stable α Helical Metallopeptides via a Novel Exchange-Inert Ru III Complex" by M.R. Ghadiri et al. J. Am. Chem. Soc. 1990, Vol. 112, No. 26, pp. 9633-9635

EXAMINER	DATE CONSIDERED
John	3/18/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			ATTY DOCKET NO. 70025-9962	SERIAL NO. 09/483,837
			APPLICANT(S) Shubh D. Sharma	GROUP Unknown 1639
FILING DATE January 17, 2000				

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
td	4,883,861	11/28/89	GRILL et al.	530	326	
	4,986,979	01/22/91	MORGAN, JR. et al.	424	1.1	
	5,028,593	07/02/91	NISHIOKA	514	18	
	5,023,237	06/11/91	PICKART	514	18	
	5,059,588	10/22/91	PICKART	514	12	
	5,091,176	02/25/92	BRAATZ et al.	424	78.17	
	5,118,665	06/02/92	PICKART	514	6	
	5,157,023	10/20/92	LIPTON	514	18	DEC 3 - 2004
	5,196,510	03/23/93	RODWELL et al.	530	324	
	5,200,504	04/06/93	GHADIRI	530	304	
↓	5,214,131	05/25/93	SANO et al.	530	345	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
td	PCT/US93/02320	12 Mar 93	PCT World	—	—		
	PCT/US92/10716	19 Nov 92	PCT	—	—		
	PCT/US94/06274	03 Jun 94	PCT	—	—		
↓	PCT/US94/08335	21 Jul 94	PCT	—	—		
NOT RELEVANT	PCT/US92/00757	07 Feb 92	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

td		"A Convergent Approach to Protein Design, Metal Ion-Assisted Spontaneous Self-Assembly of a Polypeptide into a Triple-Helix Bundle Protein" by M.R. Ghadiri et al. J. Am. Chem. Soc. 1992, Vol. 114, No. 3. pp. 825-831.
		"Synthesis and Radiochemical Studies of Model Chelators For Tc-99m" by P.R. Singh et al. Proceedings of the 43rd Annual Meeting, Journal of Nuclear Medicine, June 4, 1996. p. 28p.
		"A Review of the Utility of Soluble Peptide Combinatorial Libraries" by C. Pinilla et al. Biopolymers (Peptide Science), Vol. 37, 1995. pp. 221-240.
		"Design of Metal ion Binding Peptides" by R. Fattorusso et al. Biopolymers (Peptide Science), Vol. 37, 1995. pp. 401-410.

EXAMINER	DATE CONSIDERED
T. D. m	3/18/05

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			ATTY DOCKET NO. 70025-9902	SERIAL NO. 09/483,837		
			APPLICANT(S) Shubh D. Sharma			
			FILING DATE January 17, 2000	GROUP Unknown 1635		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
tdw	5,225,180	07/06/93	DEAN et al.	424	1.1	
↓	5,328,840	07/12/94	COLLER	435	240.2	
↓	5,371,184	12/06/94	RAJACOPALAN et al.	530	324	
↓	5,382,513	01/17/95	LAM et al.	435	7.1	
tdw	5,382,654	01/17/95	LYLE et al.	530	311	
↓	5,395,609	03/07/95	STUTTLE	424	1.69	
↓	5,408,036	04/18/95	GHADIRI	530	304	DEC 3 - 2000
↓	5,410,020	04/25/95	GHADIRI	530	333	
↓	5,438,119	08/01/95	RUTTER et al.	530	333	TECH CENTER 1600/2000
↓	5,440,013	08/08/95	KAHN	530	317	
↓	5,443,815	08/22/95	DEAN et al.	424	1.41	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
tdw	PCT/US93/06029	23 Jun 93	PCT World	—	—	
↓						
↓						
↓						
↓						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
tdw		"Novel Biopolymers for Drug Discovery" by E.J. Moran et al. Biopolymers (Peptide Science) Vol. 37, 1995. pp. 213-219.				
↓		"One-Bead-One-Structure Combinatorial Libraries" by M. Lebl et al. Biopolymers (Peptide Science) Vol. 37, 1995. pp. 177-198.				
↓		"Discovery of Sequence-Selective Peptide Binding by Synthetic Receptors Using Encoded Combinatorial Libraries" By W.C. Still. Acc. Chem. Res. 1996, Vol. 29, No. 3. pp. 155-163.				
↓		"Strategy and Tactics in Combinatorial Organic Synthesis. Applications to Drug Discovery" By E.M. Cordon et al. Acc. Chem. Res. 1996, Vol. 29, No. 3. pp. 144-154.				
EXAMINER T. Wenzelby			DATE CONSIDERED 3/18/05			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

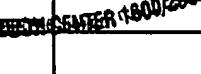
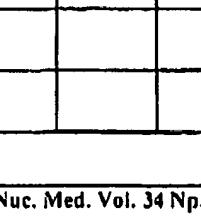
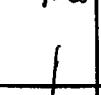
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			ATTY DOCKET NO. 70025-9902		SERIAL NO. 09/483,837		
			APPLICANT(S) Shubh D. Sharma				
			FILING DATE January 17, 2000	GROUP Unknown 635			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TJW		5,443,816	08/22/95	ZAMORA et al.	424	1.69	
		5,464,934	11/07/95	DUNN et al.	530	326	
		5,470,753	11/28/95	SEPETOV et al.	436	89	O P E
		5,475,085	12/12/95	KAHN	530	317	MAP 24-2000
		5,556,609	09/17/96	ZAMORA	424	1.69	
		5,569,745	10/29/96	GOODBODY et al.	530	328	PATENT & TRADEMARK
		5,670,155	09/23/97	KAHN	424	208.1	O P E
							DEC 3 - 2000
							TECH CENTER 4600 100-000
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
TJW			"Design, Synthesis, and Evaluation of Small-Molecule Libraries" By J.A. Ellman. Acc. Chem Res. 1996, Vol. 29, No. 3. pp. 132-143.				
			"Multiple-Component Condensation Strategies for Combinatorial Library Synthesis" By R.W. Armstrong et al. Acc. Chem. Res. 1996, Vol. 29, No. 3. pp. 123-131.				
			Guest Editorial by A.W. Czarnik. Accounts of Chemical Research, Vol. 29, No. 3, March 1996. pp. 112-113.				
			"Synthesis and Applications of Small Molecule Libraries" by L.A. Thompson et al. Chem Rev. 1996, Vol. 96, No. 1. pp. 555-600.				
EXAMINER T. Wernody			DATE CONSIDERED 3/18/05				

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

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			APPLICANT(S) Shubh D. Sharma		FILING DATE January 17, 2000		GROUP 1638
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
							014
							MAR 24 2000
							PATENT & TRADE
							DEC 3 - 2000
							TECH CENTER 1600/2000
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
fwd ↓		"Autoradiographic analysis of formylpeptide chemottractant binding, uptake and intracellular processing by neutrophils" By A.H. Janeczek et al. Journal of Cell Science 94, 1989. pp. 155-168.					
		"Technetium-99-m-Labeled Chemotactic Peptides: Comparison with Indium-111-Labeled White Blood Cells for Localizing Acute Bacterial Infection in the Rabbit" By J.W. Babich et al. Jour. Nuc. Med., Vol. 34 No.12, 1993. pp. 2176-2181.					
		"Antithrombotic Properties of L-Cysteine, N-(mercaptoacetyl)-D-Tyr-Arg-Gly-Asp-Sulfoxide (G4120) in a Hamster Platelet-Rich Femoral Vein Thrombosis Model" By Y. Imura et al. Blood, Vol. 80 No. 5, 1992. pp. 1247-1263.					
		"Thrombus Imaging with Technetium-99m Synthetic Peptides Based upon the Binding Domain of a Monoclonal Antibody to Activated Platelets" By L.C. Knight et al. Jour. Nuc. Med., Vol. 35 No. 2, 1994. pp. 282-288.					
EXAMINER T. Mry			DATE CONSIDERED 3/18/05				
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			APPLICANT(S) <u>Shubh D. Sharma</u>		FILING DATE <u>January 17, 2000</u>		GROUP <u>1634</u>	UNKNOWN
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
								
DEC 3 - 2004 								
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES <input type="checkbox"/>	NO <input type="checkbox"/>
								
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
			<p>"In-111 Laminin Peptide Fragments for Malignant Tumor Detection" By D. Swanson et al. Jour. Nuc. Med. Vol. 34 Np. 5, 1993. p. 231P.</p> <p>"The use of a chelating derivative of alpha melanocyte stimulating hormone for the clinical imaging of malignant melanoma" By E.P. Wraight et al. British Journal of Radiology, 1992, Vol. 65. pp. 112-118.</p> <p>"BisMSH-DTPA A Potential Imaging Agent for Malignant Melanoma" By D.R. Bard et al. Annals of New York Academy of Sciences, Vol. 680, 1993. pp. 451-453.</p> <p>"Prediction of The Secondary Structure of Proteins from Their Amino Acid Sequence" By P.Y. Chou et al. Graduate Department of Biochemistry, Brandeis University, Pub. No. 1195. pp. 45-148.</p>					
EXAMINER <u>T. Wray</u>			DATE CONSIDERED <u>3/18/05</u>					
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				APPLICANT(S) Shubh D. Sharma	FILING DATE January 17, 2000		GROUP 1615 Unknown	
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
Tdy				"Protein and Amino Acid Chemistry" by V.J. Hruby et al. Synthetic Peptides, A User's Guide, 1992. pp. 11-24.				
J				"Bis(Aminothiol) Oxorhenium Complexes Whose Structure Mimic Steroids" By R. K. Hom et al. J. Nuc. Med., June 14, 1995. p. 68P.				
J				"Conformational Design and Constraint" By V.J. Hruby et al. Synthetic Peptides, A User's Guide, 1992. pp. 58-67.				
J				"Applications of Synthetic Peptides" By V.J. Hruby et al. Synthetic Peptides, A User's Guide, 1992. Chapter 5. pp. 259-345.				
EXAMINER				DATE CONSIDERED				
T. Weiland				3/18/05				
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PTO/SB/08B (10-96)

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		COMPLETE IF KNOWN	
		Application Number	09/483,837
		Filing Date	January 17, 2000 DEC 3 - 2004
		First Named Inventor	SHARMA, Shubh D. TECH CENTER 1600/2800
		Group Art Unit	1616
		Examiner Name	D. Jones
Sheet	1	of	1 PATENT & TRADEMARK OFFICE
		Attorney Docket Number	
		70025-9902-11	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>tdw</i>		SEVERIN, Kay, et al., "Bioorganiometallic Chemistry-Transition Metal complexes with α -Amino Acids and Peptides," <i>Agnew. Chemie, International Edition</i> , Vol. 37, No. 12, June 1998, pp. 1635-1654.	
<i>↓</i>		FRANCIS, Matthew B., et al., "Combinatorial Libraries of Transition-metal Complexes, Catalysts and Materials," <i>Cur. Opin. in Chem. Biol.</i> , Vol. 2, June 1998, pp. 422-428	
<i>↓</i>		FRANCIS, Matthew B., et al., "Combinatorial Approach to the Discovery of Novel Coordination Complexes," <i>J. Amer. Chem. Soc.</i> , Vol. 118, No. 37, 18 Sept. 1996, pp. 8983-8984.	

Examiner Signature	T. Wessendorf	Date Considered	2/12/01
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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				COMPLETE IF KNOWN		
				Application Number	09/483,837	
				Filing Date	January 17, 2000	
				First Named Inventor	SHARMA, Shubh D.	
				Group Art Unit	1616	
				Examiner Name	D. Jones	
Sheet	1	of	1	Attorney Docket Number	70025-9902-11	
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	<u>U.S. Patent Document</u> Number		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TJW		5,565,325		Blake	Oct. 15, 1996	—
		5,498,538		Key, et al.	Mar. 12, 1996	—
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	<u>Foreign Patent Document</u> Office ³ Number ⁴ Kind Code ⁵ (if known)			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
TJW		WO	97/33626		Univ. of Massachusetts	18 Sep. 1997
TJW		WO	99/10016		Resolution Pharmaceuticals, Inc.	4 Mar. 1999
Examiner Signature	T. Wenzelky			Date Considered	2/12/01	

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